

ABSTRACT OF THE DISCLOSURE

It is one object of the present invention to provide a program execution method for performing greater optimization. A program execution apparatus according to the present invention performs a transfer from an interpreter process to a compiled code process in the course of the execution of a method. At this time, if no problem occurs when a transfer point is moved to the top of a loop, the transfer point for code is so moved. And when a transfer point is located inside a loop, a point that post-dominates the top of the loop and the transfer point is copied to a position immediately preceding the loop. Then, information for generating recalculation code is provided for the transfer point, and a recalculation is performed.

[illegible]